

**Federal Aviation Administration, DOT**

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be operated by a person described in paragraph (a) of this section.

(4) An applicant for a type certificate or change to a type certificate may obtain a design approval without showing compliance with §25.1447(c)(1) of this chapter for lavatory oxygen systems, in accordance with this SFAR.

(5) Each person covered by paragraph (a) of this section may inform passengers that the lavatories are not equipped with supplemental oxygen.

(c) *Return to service documentation.* When a person described in paragraph (a) of this section has modified airplanes as required by Airworthiness Directive 2011-04-09, the affected airplanes must be returned to service with a note in the airplane maintenance records that the modification was done under the provisions of this SFAR.

(d) *Expiration.* This SFAR expires on September 10, 2015, except this SFAR will continue to apply to any airplane for which the FAA approves an extension of the AD compliance time for the duration of the extension.

[Doc. No. FAA-2011-0186, 78 FR 5710, Jan. 28, 2013]

**APPENDIX A TO PART 121—FIRST AID KITS AND EMERGENCY MEDICAL KITS**

Approved first-aid kits, at least one approved emergency medical kit, and at least one approved automated external defibrillator required under §121.803 of this part must be readily accessible to the crew, stored securely, and kept free from dust, moisture, and damaging temperatures.

**FIRST-AID KITS**

1. The minimum number of first aid kits required is set forth in the following table:

No. of passenger seats	No. of first-aid kits
0–50 .....	1
51–150 .....	2
151–250 .....	3
More than 250 .....	4

2. Except as provided in paragraph (3), each approved first-aid kit must contain at least the following appropriately maintained contents in the specified quantities:

Contents	Quantity
Adhesive bandage compresses, 1-inch .....	16
Antiseptic swabs .....	20
Ammonia inhalants .....	10
Bandage compresses, 4-inch .....	8

Contents	Quantity
Triangular bandage compresses, 40-inch .....	5
Arm splint, noninflatable .....	1
Leg splint, noninflatable .....	1
Roller bandage, 4-inch .....	4
Adhesive tape, 1-inch standard roll .....	2
Bandage scissors .....	1

3. Arm and leg splints which do not fit within a first-aid kit may be stowed in a readily accessible location that is as near as practicable to the kit.

**EMERGENCY MEDICAL KITS**

1. Until April 12, 2004, at least one approved emergency medical kit that must contain at least the following appropriately maintained contents in the specified quantities:

Contents	Quantity
Sphygmomanometer .....	1
Stethoscope .....	1
Airways, oropharyngeal (3 sizes) .....	3
Syringes (sizes necessary to administer required drugs) .....	4
Needles (sizes necessary to administer required drugs) .....	6
50% Dextrose injection, 50cc .....	1
Epinephrine 1:1000, single dose ampule or equivalent) .....	2
Diphenhydramine HC1 injection, single dose ampule or equivalent .....	2
Nitroglycerin tablets .....	10
Basic instructions for use of the drugs in the kit .....	1
protective nonpermeable gloves or equivalent ...	1 pair

2. As of April 12, 2004, at least one approved emergency medical kit that must contain at least the following appropriately maintained contents in the specified quantities:

Contents	Quantity
Sphygmomanometer .....	1
Stethoscope .....	1
Airways, oropharyngeal (3 sizes): 1 pediatric, 1 small adult, 1 large adult or equivalent .....	3
Self-inflating manual resuscitation device with 3 masks (1 pediatric, 1 small adult, 1 large adult or equivalent) .....	1:3 masks
CPR mask (3 sizes), 1 pediatric, 1 small adult, 1 large adult, or equivalent .....	3
IV Admin Set: Tubing w/ 2 Y connectors .....	1
Alcohol sponges .....	2
Adhesive tape, 1-inch standard roll adhesive .....	1
Tape scissors .....	1 pair
Tourniquet .....	1
Saline solution, 500 cc .....	1
Protective nonpermeable gloves or equivalent ...	1 pair
Needles (2–18 ga., 2–20 ga., 2–22 ga., or sizes necessary to administer required medications) .....	6
Syringes (1–5 cc, 2–10 cc, or sizes necessary to administer required medications) .....	4
Analgesic, non-narcotic, tablets, 325 mg .....	4
Antihistamine tablets, 25 mg .....	4
Antihistamine injectable, 50 mg, (single dose ampule or equivalent) .....	2
Atropine, 0.5 mg, 5 cc (single dose ampule or equivalent) .....	2
Aspirin tablets, 325 mg .....	4

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Contents	Quantity
Bronchodilator, inhaled (metered dose inhaler or equivalent).	1
Dextrose, 50%/50 cc injectable, (single dose ampule or equivalent).	1
Epinephrine 1:1000, 1 cc, injectable, (single dose ampule or equivalent).	2
Epinephrine 1:10,000, 2 cc, injectable, (single dose ampule or equivalent).	2
Lidocaine, 5 cc, 20 mg/ml, injectable (single dose ampule or equivalent).	2
Nitroglycerin tablets, 0.4 mg	10
Basic instructions for use of the drugs in the kit	1

3. If all of the above-listed items do not fit into one container, more than one container may be used.

**AUTOMATED EXTERNAL DEFIBRILLATORS**

At least one approved automated external defibrillator, legally marketed in the United

States in accordance with Food and Drug Administration requirements, that must:

1. Be stored in the passenger cabin.

2. After April 30, 2005:

(a) Have a power source that meets FAA Technical Standard Order requirements for power sources for electronic devices used in aviation as approved by the Administrator; or

(b) Have a power source that was manufactured before July 30, 2004, and been found by the FAA to be equivalent to a power source that meets the Technical Standard Order requirements of paragraph (a) of this section.

3. Be maintained in accordance with the manufacturer's specifications.

[Doc. No. FAA–2000–7119, 66 FR 19044, Apr. 12, 2001, as amended by Amdt. 121–280, 69 FR 19762, Apr. 14, 2004; Amdt. 121–309, 70 FR 15196, Mar. 24, 2005]

**APPENDIX B TO PART 121—AIRPLANE FLIGHT RECORDER SPECIFICATION**

Parameters	Range	Accuracy sensor input to DFDR readout	Sampling interval (per second)	Resolution <sup>4</sup> readout
Time (GMT or Frame Counter) (range 0 to 4095, sampled 1 per frame).	24 Hrs	±0.125% Per Hour	0.25 (1 per 4 seconds).	1 sec.
Altitude	–1,000 ft to max certified altitude of aircraft.	±100 to ±700 ft (See Table 1, TSO-C51a).	1	5' to 35' <sup>1</sup>
Airspeed	50 KIAS to V <sub>SO1</sub> and V <sub>SO</sub> to 1.2V <sub>D</sub> .	±5%, ±3%	1	1 kt.
Heading	360°	±2°	1	0.5°
Normal Acceleration (Vertical)	–3g to +6g	±1% of max range excluding datum error of ±5%.	8	0.01g.
Pitch Attitude	±75°	±2°	1	0.5°
Roll Attitude	±180°	±2°	1	0.5°
Radio Transmitter Keying	On-Off (Discrete)	±2°	±2%	
Thrust/Power on Each Engine	Full Range Forward	±2°	1 (per engine)	0.2% <sup>2</sup>
Trailing Edge Flap or Cockpit Control Selection.	Full Range or Each Discrete Position.	±3° or as Pilot's Indicator	0.5	0.5% <sup>2</sup>
Leading Edge Flap or Cockpit Control Selection.	Full Range or Each Discrete Position.	±3° or as Pilot's Indicator	0.5	0.5% <sup>2</sup>
Thrust Reverser Position	Stowed, In Transit, and Reverse (Discrete).		1 (per 4 seconds per engine).	
Ground Spoiler Position/Speed Brake Selection.	Full Range or Each Discrete Position.	±2% Unless Higher Accuracy Uniquely Required.	1	0.2% <sup>2</sup> .
Marker Beacon Passage	Discrete		1	
Autopilot Engagement	Discrete		1	
Longitudinal Acceleration	±1g	±1.5% max range excluding datum error of ±5%.	4	0.01g.
Pilot Input and/or Surface Position—Primary Controls (Pitch, Roll, Yaw) <sup>3</sup> .	Full Range	±2° Unless Higher Accuracy Uniquely Required.	1	0.2% <sup>2</sup> .
Lateral Acceleration	±1g	±1.5% max range excluding datum error of ±5%.	4	0.01g.
Pitch Trim Position	Full Range	±3% Unless Higher Accuracy Uniquely Required.	1	0.3% <sup>2</sup> .
Glideslope Deviation	±400 Microamps	±3%	1	0.3% <sup>2</sup> .
Localizer Deviation	±400 Microamps	±3%	1	0.3% <sup>2</sup> .
AFCS Mode and Engagement Status.	Discrete		1	
Radio Altitude	–20 ft to 2,500 ft	±2 Ft or ±3% Whichever is Greater Below 500 Ft and ±5% Above 500 Ft.	1	1 ft + 5% <sup>2</sup> above 500'.
Master Warning	Discrete		1	
Main Gear Squat Switch Status.	Discrete		1	